STOCKTON FIRE DEPARTMENT RAPID RULE CHART

LIVELINE: 20	0' WITH LO	N PRESSUR	E NOZZLE
PDP	150 PSI	175 PSI	200 PSI
1 3/4" (55 PSI NP)	160 GPM	185 GPM	200 GPM
1 1/2" (50 PSI NP)	145 GPM	160 GPM	175 GPM

2 1/2" ATTACK LINE: COMBINATION NOZZLE					
NP	GPM FL PER 100' OF 2 1/2				
75 250 15 PSI					
2 1/2" ATTACK LINE: 1 1/8" SMOOTHBORE					
NP GPM FL PER 100' OF 2 1/2"					
50	266	15 PSI			

LEAD-LINE PACK: 100' OF 1 3/4" WITH BREAK AWAY NOZZLE						
NOZZLE TYPE			GPM	NP		
15/16" SMOOTHBORE "SLUG TIP" NOZZLE				50		
FL PER 100' OF 1 3/4" @ 185 GPM:	55 PSI	EXTENDED OFF 1 3/4" LIVELINE: PI	OP: 215 PSI			
1 HIGH RISE PACK EXTENDED OFF 2 1/2": PDP: 105 PSI + 6 PSI PER 100' OF 2 1/2"						
2 HIGH RISE PACKS EXTENDED OFF 2 1/2": PDP: 105 PSI + 27 PSI PER 100' OF 2 1/2"						

BOOSTER LINE					
200'-1"	150 PSI PDP	40 GPM			

BUMPER LINE					
100– 1 1/2"	110 PSI PDP	165 GPM			

MAXIMUM PDP FOR 5" HOSE: 200 PSI

	GPM	1 1/2"	1 3/4"	2 1/2"	3"	2 1/2" & 3"	5"
	80	15					
	90	20					
o,	100	25	15		1		
100,	125	40	25				
PER	150	55	35	5	2		
	175	75	50	6			
CHART:	200		65	10	3	1	
H	250			15		2	
SS	300			20	7	3	
SSOT	400			35	13	5	1
Z	500			50	20	7	2
1	600				30	11	3
FRICTION	700				40	15	4
正	800				51	19	5
	900					24	6
	1000					30	8
	1200					43	15
	Loot Pavious d/Pavions on 4/42/22						

CLASS B FIRES

HYDRO-CARBON: 3% POLAR SOLVENT: 6% USE FOAM JET ON END OF NOZZLE

USE 200' 1 3/4" HOSE WHEN USING EXTER-NAL FOAM EDUCTOR

63 GPM @ 200 PSI PDP WITH EDUCTOR

STANDPIPE CONNECTION

PDP: 150 PSI

ADD 5 PSI/FLOOR ABOVE GROUND LEVEL

ADD 25 PSI OVER 250 GPM

DO NOT EXCEED 200 PSI

ESTIMATING HYDRANT POTENTIAL

LESS THAN 10% DROP = 3 LIKE LINES

LESS THAN 15% DROP = 2 LIKE LINES

LESS THAN 25% DROP = 1 LIKE LINE

DECK GUN					
NOZZLE	PDP	GPM	NP		
СОМВО	170 PSI	1000	100		
2"	110	1000	80		
1 3/4"	105	800	80		
1 1/2"	100	600	80		
1 3/8"	90	500	80		

WATER TOWER

PDP: 200 PSI

LEGEND FL = FRICTION LOSS GPM = GALLONS PER MINUTE NP = NOZZLE PRESSURE PDP = PUMP DISCHARGE PRESSURE PSI = POUNDS PER SQUARE INCH = IMPORTANT INFORMATION

CLASS A FIRES

WETTING AGENT: 0.25% FINISHED FOAM: 0.5%

APPLIANCE FRICTION LOSS

ADD 10 PSI PER APPLIANCE FOR FLOWS OVER 350 GPM

ADD 25 PSI FOR MASTER STREAM DEVICE

ADD 5 PSI PER FLOOR

SPRINKLER SYSTEM SUPPORT

PDP: 150 PSI

FIRST ENGINE MAY, SECOND ENGINE MUST

RELAY PUMPING

CONSIDER RELAY PUMPING WHEN 400' OF SUPPLY LINE IS ON THE GROUND

PUT PUMPER ON HYDRANT FOR COMMERCIAL FIRES

PUT PUMPER ON HYDRANT FOR WATER TOWER OPERATIONS

WHEN SUPPLYING SECOND PUMPER, START WITH 50 PSI THEN ADJUST FOR GPM FLOW. RECEIVING PUMPER WILL ADVISE IF MORE PRESSURE IS NEEDED

GROUND MONITOR

COMBINATION NOZZLE PRESSURE: 100 PSI SMOOTHBORE NOZZLE PRESSURE: 80 PSI ADD 25 PSI FL FOR APPLIANCE ADD FL FOR SUPPLY LINE

FUEL

CONSIDER ORDERING FUEL TO THE FIREGROUND FOR EXTENDED PUMP OPERATIONS